

FORM PTO-1390  
(REV. 01-2003)

US DEPARTMENT OF COMMERCE PATENT &amp; TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER  
128834**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**U.S. APPLICATION NO. (If known, see 37 CFR 1.5)  
10/587,254INTERNATIONAL APPLICATION NO.  
PCT/JP2005/000406INTERNATIONAL FILING DATE  
January 14, 2005PRIORITY DATE CLAIMED  
January 27, 2004TITLE OF INVENTION  
OPTICAL SYSTEM, EXPOSURE SYSTEM, AND EXPOSURE METHODAPPLICANT(S) FOR DO/EO/US  
Yasuhiro OMURA

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
  - c. ☐ The International Application was filed in English.
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☒ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Response to Notification of Missing Requirements with Check #193239 (\$6,380)

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)  
10/587,254

INTERNATIONAL APPLICATION NO.  
PCT/JP2005/000406

ATTORNEY'S DOCKET NUMBER  
128834

21. ☒ The following fees are submitted:

CALCULATIONS PTO USE ONLY

**BASIC NATIONAL FEE (37 CFR 1.492(a)):** ..... \$ 300.00

**SEARCH FEE (37 CFR 1.492(b)(1)-(3)):**

International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national phase ..... \$ 0.00

International search fee (37 CFR 1.445(a)(2)) paid to USPTO as ISA ..... \$ 100.00

International search report provided to USPTO no later than the time at which the search fee is paid ..... \$ 400.00

All situations not provided for above ..... \$ 500.00

**EXAMINATION FEE (37 CFR 1.492(c)(1)-(2)):**

International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national phase ..... \$ 0.00

All situations not provided for above ..... \$ 200.00

Surcharge of \$130.00 for furnishing the search fee, the examination fee or the oath or declaration after the date of commencement of the national phase (37 CFR 1.492(h)).

**APPLICATION SIZE FEE**

Total pages - 100 = + 50 =  $\uparrow$  x 250 = \$

Round up to next integer

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
TOTAL CLAIMS	117 - 20	= 97	x 50.00 =	\$4,850.00
INDEPENDENT CLAIMS	10 - 3	= 7	x 200.00 =	\$1,400.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ 360.00 =	\$

**TOTAL OF ABOVE CALCULATIONS =** \$6,250.00

☐ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

**SUBTOTAL =** \$6,250.00

Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).

**TOTAL NATIONAL FEE =** \$6,380.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +

**TOTAL FEES ENCLOSED =** \$6,380.00

Amount to be  
refunded: \$  
charged: \$

- a. ☒ Check No. 193239 in the amount of \$6,380.00 to cover the above fees is attached to the Response to Notification of Missing Requirements.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$\_\_\_\_\_ to cover the above fees.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0461.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.495(a)(2)(b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:  
OLIFF & BERRIDGE, PLC  
Customer Number: 25944

01-FC-1615 4850.00 OP  
02-FC-1614 1400.00 OP  
03-FC-1618 130.00 OP  
NAME: Mario A. Costantino  
REGISTRATION NUMBER: 33,565

Date June 1, 2007

NAME: John A. Radi  
REGISTRATION NUMBER: 59,345

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of

Yasuhiro OMURA

Attn: **Mail Stop PCT**

Application No.: 10/587,254

Docket No.: 128834

Filed: July 26, 2006

For: OPTICAL SYSTEM, EXPOSURE SYSTEM, AND EXPOSURE METHOD

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS  
UNDER 35 U.S.C 371 IN THE UNITED STATES DESIGNATED/  
ELECTED OFFICE (DO/EO/US) WITH  
TRANSLATION OF THE APPLICATION AND REPLACEMENT DRAWINGS**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C 371 in the United States Designated/Elected Office (DO/EO/US) (copy attached) mailed on April 2, 2007, submitted herewith is, upon information and belief, an accurate translation of the application. Any specification attached to and referenced in the Declaration is a copy of the specification and any amendments thereto which were filed in the Office in order to obtain a filing date for the application.

	(Column 1)	(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN A SMALL ENTITY	
	CLAIMS REMAINING AFTER TRANSLATION AND ANY PRELIMINARY AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADD'L FEE		RATE	ADD'L FEE
TOTAL CLAIMS	*117 MINUS	**20	=97	x 25 =	\$		x 50 =	\$4,850
INDEP CLAIMS	*10 MINUS	***3	=7	x 100 =	\$		x 200 =	\$1,400
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				+ 180 =	\$	OR	+ 360 =	\$
					\$			\$6,250

†round up to next integer

- \* If the entry in Column 1 is less than the entry in Column 2, write "0" in Column 3.
  - \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
  - \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.
- The "Highest Number Previously Paid For" in this space (Total or Independent) is the highest number found from the equivalent box in Column 1 of a prior Amendment or the number of claims originally filed.

Attached is our Check No. 193239 for ☒\$6,380.00 for the fee under 37 C.F.R. §1.492(i) and any excess claim fees noted above.

Also submitted herewith are 29 sheets of formal drawings (Figs. 1-29) in compliance with 37 C.F.R. 1.84.

Entry of these documents should complete all of the filing formalities and fully satisfy all requirements of the Notification of Missing Requirements. Accordingly, prompt issuance of a Notification of Acceptance and Official Filing Receipt, and prompt examination and allowance of this application are respectfully solicited.

The Commissioner is hereby authorized to charge any additional fee (or credit any overpayment) associated with this communication to Deposit Account No. 15-0461.

Respectfully submitted,



Mario A. Costantino  
Registration No. 33,565

John A. Radi  
Registration No. 59,345

MAC:JAR/abs

Date: June 1, 2007

**OLIFF & BERRIDGE, PLC**  
**P.O. Box 19928**  
**Alexandria, Virginia 22320**  
**Telephone: (703) 836-6400**

**DEPOSIT ACCOUNT USE  
AUTHORIZATION**

Please grant any extension  
necessary for entry;  
Charge any fee due to our  
Deposit Account No. 15-0461

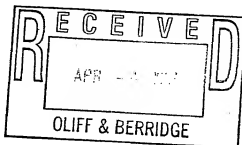


## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO. 10/587,254	FIRST NAMED APPLICANT Yasuhiro Omura	ATTY. DOCKET NO. 128834
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25944  
OLIFF & BERRIDGE, PLC  
P.O. BOX 19928  
ALEXANDRIA, VA 22320



INTERNATIONAL APPLICATION NO. PCT/JP05/00406	
I.A. FILING DATE 01/14/2005	PRIORITY DATE 01/27/2004

CONFIRMATION NO. 4781  
371 FORMALITIES LETTER



\*OC000000023195851\*

Date Mailed: 04/02/2007

**MISSING PARTS**

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 07/26/2006
- Copy of the International Search Report filed on 07/26/2006
- Oath or Declaration filed on 07/26/2006
- U.S. Basic National Fees filed on 07/26/2006
- Assignment filed on 07/26/2006
- Assignee Statement for PGPUB filed on 07/26/2006
- Priority Documents filed on 07/26/2006
- Power of Attorney filed on 07/26/2006

**DUE DATE**

**JUN - 2 2007**

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English. Note a processing fee will be required if submitted later than 30 months from the priority date.
- Processing fee of \$130 for providing the translation of the application and/or the Annexes later than 30 months from the priority date (37 CFR 1.492(i)).

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is **\$130** for a Large Entity:

- **\$130** for English translation surcharge required.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE**

**DOCKETED**  
By CMT on 4/4 2007  
and  
By Fmp on 4/4 2007  
Oliff & Berridge

**DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

VONDA M WALLACE

Telephone: (703) 308-9140 EXT 225

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/587,254	PCT/JP05/00406	128834

FORM PCT/DO/EO/905 (371 Formalities Notice)